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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/575,941

05/15/2006

Hitoshi Moriya

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7088

32137 7590 02/26/2008

PATENT DOCKET CLERK  
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NEW YORK, NY 10036

EXAMINER

LE, HOANGANH T

ART UNIT

PAPER NUMBER

2821

MAIL DATE

DELIVERY MODE

02/26/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/575,941	<b>Applicant(s)</b> MORIYA, HITOSHI	
	<b>Examiner</b> HoangAnh T. Le	<b>Art Unit</b> 2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 13 April 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 6 is/are rejected.
- 7) ☒ Claim(s) 3-5, 7 and 8 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>1/9/07</u> .  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

1. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Miyakoshi (the GB 2005921, cited by Applicant).

Regarding claim 1, the Miyakoshi reference teaches in figure 11-14 an antenna coil characterized by comprising: a core 64 formed by shaping a magnetic material into a bar-like configuration; a bobbin 67,68 having a through-hole into which the core is to be inserted; a connection section fixed to the bobbin so as to extend in a length direction of core from the bobbin, with the core inserted into the through-hole; a winding which is wound around the bobbin and whose ends are connected to the connection section; and a connector terminal 53 which is provided at a certain position in the length direction of the core, which fixes the connection section in position, and which determines a position of the winding in the length direction of the core.

Regarding claim 2, wherein the connector terminal is provided on a connector main body 58,59 having another through-hole into which the core is to be inserted.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Miyakoshi (cited above) in view of Duncan et al (the US Patent No. 6,052,097).

Regarding claim 6, the Miyakoshi reference teaches every feature of the claimed invention, excluding a holder having an accommodating portion formed by a holder main body and a side surface portion provided upright on the holder main body, with the accommodating portion accommodating the antenna coil; and a cover for hermetically sealing the accommodating portion.

The Duncan et al reference teaches in figure 7A a holder 34 having an accommodating portion formed by a holder main body and a side surface portion provided upright on the holder main body, with the accommodating portion accommodating the antenna coil 33; and a cover 54 for hermetically sealing the accommodating portion in order to protect the antenna coil.

Since one of ordinary skill in the art would recognize the benefit of protecting the antenna, it would have been obvious to provide Miyakoshi with a holder having an accommodating portion formed by a holder main body and a side surface portion provided upright on the holder main body, with the accommodating portion accommodating the antenna coil; and a cover for hermetically sealing the accommodating portion as taught by Duncan et al.

### ***Allowable Subject Matter***

6. Claims 3-5 and 7-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter: none of the cited discloses that wherein: the connection section is formed of a rigid material; a second through-hole is formed in the connector main body so as to extend along the other through-hole;--and~ the connection section is being inserted into into the second through- hole; or wherein: a capacitor is provided on the connector main body; and wherein the connector terminal is connected to the capacitor; or wherein the connection section has two conductive rigid members; one end of the winding is connected to one rigid member of the connection section; another end of the winding is connected to another rigid member of the connection section; the connector terminal has two conductive joint portions; one joint portion of the connector terminal fixes in position the rigid member of the connection section to which the one end of the

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winding is connected; and another joint portion of the connector terminal fixes in position the rigid member of the connection section to which the another end of the winding is connected; or wherein the connector terminal of the antenna coil is provided on a connector main body having another through-hole into which the core is to be inserted; and the side surface portion and the connector main body of the antenna coil respectively have engagement portions engaged with each other and determining a position of the connector main body in a length direction of the core.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HoangAnh T. Le whose telephone number is (571) 272-1823. The examiner can normally be reached on 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/HoangAnh T Le/

Primary Examiner, Art Unit 2821